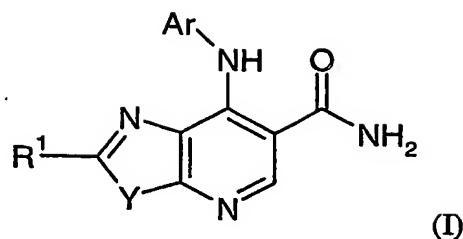


CLAIMS

1. A compound of formula (I):



5

wherein:

Y is NH, S or O;

10

R^1 is phenyl or a 5- to 7-membered heteroaromatic ring containing 1 to 3 heteroatoms, each of which is optionally substituted by one or more groups selected from C_1-C_8 alkyl, C_1-C_8 alkoxy, $S(O)_nC_1-C_8$ alkyl or a group $-R^2-(CH_2)_p-R^3$;

15 n is 0, 1 or 2;

R^2 is a bond, NH, NC_1-C_8 alkyl, S or O;

p is 0 – 3;

20

R^3 is NR^4R^5 where R^4 and R^5 are independently hydrogen or C_1-C_8 alkyl, or R^3 is a phenyl ring, a 5 to 7-membered saturated ring containing 1 or 2 heteroatoms selected from nitrogen, oxygen and sulphur, or a 5- to 7-membered heteroaryl group containing 1 to 3 heteroatoms selected from nitrogen oxygen and sulphur, each of which can optionally substituted by one or more groups selected from $CONR^4R^5$, NR^4R^5 , C_1-C_8 alkyl, C_1-C_8 alkoxy, $S(O)_nC_1-C_8$ alkyl, hydroxyl, CN, halogen, $NHCOC_1-C_8$ alkyl, $R^2-(CH_2)_p-OH$ or morpholine;

25

n is 1 to 4;

30

Ar is phenyl which can be optionally substituted by one or more groups selected from halogen, hydroxy, cyano, C_1-C_8 alkyl (itself optionally substituted by one or more hydroxy or cyano groups or fluorine atoms), CH_2-R^6 ; $CH_2O(CH_2)_nOC_1-C_6$ alkyl, C_1-C_8 alkyl- NR^3-R^4 , or a C_2-C_6 alkyl chain optionally containing an NR^7 group in the chain and optionally

substituted by one or more OH groups and optionally terminating in a cycloalkyl or phenyl group, the cycloalkyl and phenyl groups themselves being optionally substituted by one or more hydroxyl groups;

- 5 R⁶ is a 5 to 7-membered saturated ring containing 1 or 2 heteroatoms selected from nitrogen, oxygen and sulphur, an aryl or 5- to 7-membered heteroaryl group containing 1 to 3 heteroatoms selected from nitrogen oxygen and sulphur, each of which can optionally substituted by one or more substituents selected from hydroxyl or hydroxymethyl;
- 10 R⁷ is hydrogen or C₁₋₆ alkyl;

and pharmaceutically acceptable salts thereof.

2. A compound according to claim 1 in which NH or S.

- 15
3. A compound according to claim 1 or 2 in which R¹ is pyridyl or phenyl optionally substituted by SCH₃, SOCH₃, O-Ph-CONH₂, NH(CH₂)₃.morpholine, O(CH₂)₃-N(CH₃)₂, O(CH₂)₂-morpholine, OCH₃, O(CH₂)₂-N(CH₃)₂, 2-(3-aminophenoxy), 4-methoxyphenoxy, OH, N(CH₃)₂, OCH₃, CN, fluoro, chloro, S(O)₂CH₃, NHCOCH₃, O(CH₂)₂OH, N(CH₃)(CH₂)₂OH, morpholine or O(CH₂)₂-OH
- 20
4. A compound according to claim 1 or 2 in which the Ar is substituted by selected from hydroxymethyl, ethyl, [(2-hydroxypropyl)amino]methyl, [(2-hydroxy-1-methylethyl)amino]methyl, (1H-imidazol-1-ylmethyl), [(2,3-dihydroxypropyl)amino]methyl, 3-(morpholin-4-ylmethyl), {[2-cyclohexyl-1-(hydroxymethyl)ethyl]amino}methyl, {[1-benzyl-2-hydroxyethyl]amino}methyl, (3-hydroxypyrrolidin-1-yl)methyl, {[2-hydroxy-1-phenylethyl]amino}methyl, {[2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl, {[2-hydroxycyclohexyl]amino}methyl, {[2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino}methyl, 3-hydroxypiperidin-1-ylmethyl, {[1-(hydroxymethyl)-2-methylpropyl]amino}methyl, {[4-(methylsulphonyl)benzyl]amino}methyl, or {[2-(3,4-dihydroxyphenyl)-2-hydroxyethyl]amino}methyl.
- 25
- 30
- 35
5. A compound according to claim 1 which is:
7-{{[3-(hydroxymethyl)-2-methylphenyl]amino}-2-(methylthio)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide
7-[(2-ethylphenyl)amino]-2-(methylsulfinyl)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

2-[4-(aminocarbonyl)phenoxy]-7-[(2-ethylphenyl)amino][1,3]thiazolo[5,4-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-[(3-morpholin-4-ylpropyl)amino][1,3]thiazolo[5,4-b]pyridine-6-carboxamide

5 2-[3-(dimethylamino)propoxy]-7-[(2-ethylphenyl)amino][1,3]thiazolo[5,4-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-(methylthio)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-(2-morpholin-4-yethoxy)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

10 7-[(2-ethylphenyl)amino]-2-methoxy[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

7-[(2-methylphenyl)amino]-2-(methylthio)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

2-[2-(dimethylamino)ethoxy]-7-[(2-ethylphenyl)amino][1,3]thiazolo[5,4-b]pyridine-6-carboxamide

2-(3-aminophenoxy)-7-[(2-ethylphenyl)amino][1,3]thiazolo[5,4-b]pyridine-6-carboxamide
bis(trifluoroacetate)

7-[(2-ethylphenyl)amino]-2-(4-methoxyphenoxy)[1,3]thiazolo[5,4-b]pyridine-6-carboxamide

7-{[2-ethyl-3-(hydroxymethyl)phenyl]amino}-2-phenyl-3H-imidazo[4,5-b]pyridine-6-carboxamide

20 7-[(2-ethylphenyl)amino]-2-(4-hydroxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

2-[4-(dimethylamino)phenyl]-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide bis(trifluoroacetate)

7-[(2-ethylphenyl)amino]-2-(3-hydroxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-

25 carboxamide 2-(3,4-dihydroxyphenyl)-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

2-(3-cyanophenyl)-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

2-(4-cyanophenyl)-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-(4-hydroxy-3-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

30

2-(3,4-difluorophenyl)-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

2-(3-chloro-4-hydroxyphenyl)-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

35

7-[(2-ethylphenyl)amino]-2-(1H-imidazol-4-yl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-[(2-ethylphenyl)amino]-2-[4-(methylsulfonyl)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide

2-[4-(acetylamino)phenyl]-7-[(2-ethylphenyl)amino]-3H-imidazo[4,5-b]pyridine-6-carboxamide

- 7-[(2-ethylphenyl)amino]-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethylphenyl)amino]-2-{4-[(2-hydroxyethyl)(methyl)amino]phenyl}-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 5 7-[(2-ethylphenyl)amino]-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethylphenyl)amino]-2-phenyl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-(hydroxymethyl)phenyl}amino}-2-(4-hydroxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 10 7-{{2-ethyl-3-(hydroxymethyl)phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethylphenyl)amino]-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethylphenyl)amino]-2-pyridin-3-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide 7-[(2-ethylphenyl)amino]-2-pyridin-2-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 15 2-[4-(2-{{tert-butyl(diphenyl)silyl}oxy}ethoxy)phenyl]-7-{{2-ethyl-3-(hydroxymethyl)phenyl}amino}-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-(hydroxymethyl)phenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-(hydroxymethyl)phenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 20 7-[(2-ethyl-3-((2-hydroxypropyl)amino)methyl)phenyl]amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-((2-hydroxypropyl)amino)methyl)phenyl]amino]-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 25 7-[(2-ethyl-3-((2-hydroxy-1-methylethyl)amino)methyl)phenyl]amino]-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-(1H-imidazol-1-ylmethyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 30 7-[(3-{{(2,3-dihydroxypropyl)amino)methyl}-2-ethylphenyl}amino)-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-(morpholin-4-ylmethyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 35 7-{{3-((1S)-2-cyclohexyl-1-(hydroxymethyl)ethyl)amino)methyl}-2-ethylphenyl]amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{3-((1S)-1-benzyl-2-hydroxyethyl)amino)methyl}-2-ethylphenyl]amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-[(4-(2-hydroxyethyl)piperazin-1-yl)methyl]phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide

- 7-((2-ethyl-3-[(3-hydroxypyrrolidin-1-yl)methyl]phenyl)amino)-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-({[(1S)-2-hydroxy-1-phenylethyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 5 7-[(2-ethyl-3-{{(2R)-2-(hydroxymethyl)pyrrolidin-1-yl)methyl}phenyl)amino]-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-({[(1S,2S)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 10 7-[(2-ethyl-3-{{(2-hydroxycyclohexyl)amino}methyl}phenyl)amino]-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-({[(1R,2S)-2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 15 7-{{2-ethyl-3-({[(1R,2R)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-((2-ethyl-3-[(3-hydroxypiperidin-1-yl)methyl]phenyl)amino)-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 20 7-{{2-ethyl-3-({[1-(hydroxymethyl)-2-methylpropyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-({[4-(methylsulfonyl)benzyl]amino}methyl)phenyl}amino}-2-[4-(2-hydroxyethoxy)phenyl]-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 25 7-{{3-({[2-(3,4-dihydroxyphenyl)-2-hydroxyethyl]amino}methyl)-2-ethylphenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-{{(2-hydroxypropyl)amino}methyl}phenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-{{(2-hydroxy-1-methylethyl)amino}methyl}phenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 30 7-{{2-ethyl-3-({1H-imidazol-1-ylmethyl)phenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{3-({(2,3-dihydroxypropyl)amino}methyl)-2-ethylphenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-({morpholin-4-ylmethyl)phenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 35 7-{{3-({[(1S)-2-cyclohexyl-1-(hydroxymethyl)ethyl]amino}methyl)-2-ethylphenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{3-({[(1S)-1-benzyl-2-hydroxyethyl]amino}methyl)-2-ethylphenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

- 7-[(2-ethyl-3-{[4-(2-hydroxyethyl)piperazin-1-yl]methyl}phenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide 7-({2-ethyl-3-[{(3-hydroxypyrrolidin-1-yl)methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 5 7-{{2-ethyl-3-{{[(1S)-2-hydroxy-1-phenylethyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-[(2-ethyl-3-{[(2R)-2-(hydroxymethyl)pyrrolidin-1-yl]methyl}phenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{2-ethyl-3-{{[(1S,2S)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 10 7-[(2-ethyl-3-{{(2-hydroxycyclohexyl)amino}methyl}phenyl)amino]-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{2-ethyl-3-{{[(1R,2S)-2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 15 7-{{2-ethyl-3-{{[(1R,2R)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{2-ethyl-3-[(3-hydroxypiperidin-1-yl)methyl]phenyl}amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 20 7-{{2-ethyl-3-{{[1-(hydroxymethyl)-2-methylpropyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{2-ethyl-3-{{[4-(methylsulfonyl)benzyl]amino}methyl}phenyl]amino}-2-(4-methoxyphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 25 7-[(2-ethyl-3-{{(2-hydroxypropyl)amino}methyl}phenyl)amino]-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-[(2-ethyl-3-{{(2-hydroxy-1-methylethyl)amino}methyl}phenyl)amino]-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 30 7-{{2-ethyl-3-(1H-imidazol-1-ylmethyl)phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{(3-{{(2,3-dihydroxypropyl)amino}methyl}-2-ethylphenyl)amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 35 7-{{2-ethyl-3-(morpholin-4-ylmethyl)phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-{{3-{{[(1S)-1-benzyl-2-hydroxyethyl]amino}methyl}-2-ethylphenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
7-[(2-ethyl-3-{[4-(2-hydroxyethyl)piperazin-1-yl]methyl}phenyl)amino]-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide

- 7-({2-ethyl-3-[(3-hydroxypyrrolidin-1-yl)methyl]phenyl}amino)-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-{{[(1S)-2-hydroxy-1-phenylethyl]amino}methyl}phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 5 7-[(2-ethyl-3-{{[(2R)-2-(hydroxymethyl)pyrrolidin-1-yl]methyl}phenyl}amino)-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-{{[(1S,2S)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl}phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 10 7-[(2-ethyl-3-{{[(2-hydroxycyclohexyl)amino]methyl}phenyl}amino)-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-{{[(1R,2S)-2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]amino}methyl}phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 15 7-{{2-ethyl-3-{{[(1R,2R)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl}phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-[(3-hydroxypiperidin-1-yl)methyl]phenyl}amino}-2-(4-morpholin-4-ylphenyl)-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 20 7-[(2-ethyl-3-{{[(2-hydroxypropyl)amino]methyl}phenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-{{[(2-hydroxy-1-methylethyl)amino]methyl}phenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-{{(1H-imidazol-1-yl)methyl}phenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 25 7-[(3-{{[(2,3-dihydroxypropyl)amino]methyl}-2-ethylphenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-{{morpholin-4-ylmethyl}phenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 30 7-{{3-{{[(1S)-2-cyclohexyl-1-(hydroxymethyl)ethyl]amino}methyl}-2-ethylphenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-{{[4-(2-hydroxyethyl)piperazin-1-yl]methyl}phenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-{{2-ethyl-3-[(3-hydroxypyrrolidin-1-yl)methyl]phenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 35 7-{{2-ethyl-3-{{[(1S)-2-hydroxy-1-phenylethyl]amino}methyl}phenyl}amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide
- 7-[(2-ethyl-3-{{[(2R)-2-(hydroxymethyl)pyrrolidin-1-yl]methyl}phenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-{{[2-ethyl-3-({[(1S,2S)-2-hydroxy-1-(hydroxymethyl)-2-phenylethyl]amino}methyl)phenyl]amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide}

5 7-[(2-ethyl-3-{{(2-hydroxycyclohexyl)amino}methyl}phenyl)amino]-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-{{2-ethyl-3-[(3-hydroxypiperidin-1-yl)methyl]phenyl}amino)-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide

7-{{[2-ethyl-3-{{[1-(hydroxymethyl)-2-methylpropyl]amino}methyl}phenyl]amino}-2-pyridin-4-yl-3H-imidazo[4,5-b]pyridine-6-carboxamide

10 or a pharmaceutically acceptable salt thereof.

6. A compound of formula (I) as defined in any one of claims 1 to 5 for use in therapy

7. A pharmaceutical composition comprising a compound of formula (I) or a

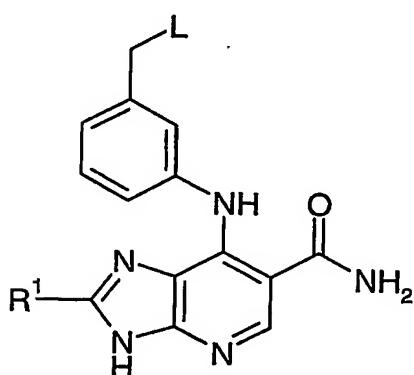
15 pharmaceutically acceptable salt thereof in association with a pharmaceutically acceptable carrier.

8. A method of treating a disease or condition mediate by JAK3 which comprises administering to a patient in need of such treatment a compound of formula (I) as defined
20 in claims 1 to 5 or a pharmaceutically acceptable salt thereof.

9. A method according to claim 8 in which the disease or condition is asthma, host versus graft rejection/transplantation or rheumatoid arthritis.

25 10. A process for the preparation of a compound of formula (I) which comprises:

(a) for compounds of formula (I) where Y is NH and Ar is phenyl substituted by CH₂NR³R⁴, reaction of a compound of formula (II):



30 (II)

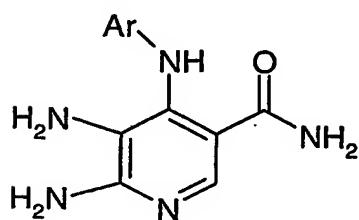
in which R^1 is as defined in formula (I) or is a protected derivative thereof and L is a leaving group, with a compound of formula (III):



5

in which R^3 and R^4 are as defined in formula (I) or are protected derivatives thereof, or

(b) for compounds of formula (I) where Y is NH, reaction of a compound of formula (IV):



10

(IV)

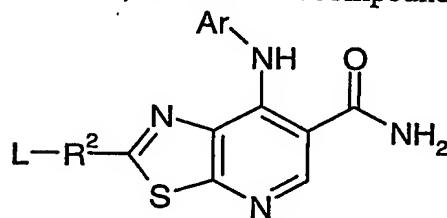
in which Ar is as defined in formula (I) or is a protected derivative thereof, with a compound of formula (V):



in which R^1 is as defined in formula (I) or is a protected derivative thereof, or

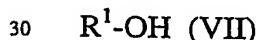
20

(c) for compounds of formula (I) where Y is S and R^1 is a group $-R^2-(CH_2)_p-R^3$ where R^2 is O or NH, reaction of a compound of formula (VI):



25 (VI)

in which Ar is as defined in formula (I) or is a protected derivative thereof, R^2 is O or NH, and L is a leaving group, with a compound of formula (VII) or (VIII):



R^1 -NH₂ (VIII)

in which R^1 is as defined in formula (I) or is a protected derivative thereof

5

and optionally thereafter any of the above processes:

- removing any protecting groups
- converting a compound of formula (I) into a further compound of formula (I)
- forming a pharmaceutically acceptable salt.

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